		Approved For Release 2004/05/13 : CIA-RDP89B00980F	00300070097-9	RCEFIRG				
	DATE	2108Z 19 0CT 1962 SECRET	2	6				
25X1	TO FROM	DIRECTOR  SOSA (1-2-3-4-5-6-7-8-9-10)	OPERATIONA 1	AL IMMEDIATE				
	1M7'0	* S/C (11)	The second state of the se					
		TOR: 2153Z 19 OCT 1962		25X1 In-52578				
25X1	TG	OPIM INFO	citz					
25X1								
74. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		1. DISCUSSIONS BETWEEN P AND W AND LAC AFT!						
		OF THE RECORDED DATA FROM THE THREE J-58 FLIGHTS TO DATE						
		HAVE RESULTED IN A DECISION TO REMOVE ENGINE 20	02 FHUM ACFI	÷ .				
# # #		NUMBER ONE AND REPLACE IT WITH ENGINE 205.  2. THE ENGINE WAS EXAMINED WHILE RUNNING AND AND REPLACE IT WITH ENGINE 205.	ND IT WAS					
		APPARENT THAT CONSIDERABLE COKING OF THE SPRAY BARS WAS OCCURING AND THIS ALONG WITH THE OTHER PROBLEMS OF THE						
		ENGINE MADE REMOVAL ALMOST MANDATORY.  3. THE COKING HAS BEEN ATTRIBUTED BY P AND W TO THE partially						
			THAT THIS	25X1				
		PROBLEM SHOULD BE RELIVED BY THE NEW TEFLON AD	DITIVE. I	7 Dlog ense				
25X1		QUESTIONED, AS TO WHETHER THE ENGINE	S HAD EVER E	BEEN Only 1533				
	:	RUN ON STRAIGHT PF=1 AND THEY HAVE NOT. SO P	AND W DOES	VOT - XD-1 95 Ub				
	; ·	REALLY KNOW THE COKING CHARACTERISTICS OF STRA	IGHT PF-1 I	V. 7. 202,1, ≥ onli				
		THIS ENGINE UNDER SIMULATED OPERATIONAL CONDIT	IONS.	WITH THE LAB WEEP.				
		WE THEREFORE HAVE NO ASSURANCE THINGS WILL BE	ANY BETTER	WITH THE WEIDEN				
(		NEW ADDITIVE.	CHOUP I					
	• :	REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS	downpailing and deductions PROHIBITED.	Сору Мо.				

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25X1 (IN 52578)

25X1

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- 4. IN ADDITION THE TURBINE INLET TEMPERATURE HAS BEEN RUNNING
  LOW INDICATING A FUEL CONTROL PROBLEM AND NATURALLY A LOSS OF THRUST.
  THE FUEL COULD NOT BE TRIMMED HIGHER WITH PRESENT SYSTEM.
  AN ADDITIONAL PROBLEM IS THE LAG IN THE FUEL TRIMMER REQUIRING
  ONE TO ONE AND ONE HALF MINUTES TO REACT AFTER PILOT INITIATION.
  THIS IS INTOLERABLE AND A NEW TRIMMER MOTOR IS BEING INSTALLED IN
  LATER ENGINES WHICH WILL GIVE A REACTION TIME OF THIRTY SECONDS
  WHICH IS STILL NOT GOOD.
- 5. AS A RESULT OF THE ABOVE PROBLEMS THE THRUST IS DOWN TEN TO FIFTEEN PERCENT QUOTE P AND W OR FIFTEEN TO TWENTY PERCENT QUOTE LAC.
- FIXES AND CHANGES TO ATTEMPT TO IMPROVE THE SITUATION. IT WILL HAVE A NEW FUEL TRIMMER MOTOR: THE TURBINE EXHAUST TEMPERATURE WILL BE MONITORED RATHER THAN TURBINE INLET; THE LATEST FUEL CONTROL; THE NEW FUEL ADDITIVE WILL BE USED EXCLUSIVELY (TO REDUCE COKING?); AIRCRAFT AND POL EQUIPMENT WILL BE DRAINED OF PRESENT OILED FUEL; AND OTHERS.
- 7. ENGINE 205 HAS THE NEW LOWER MOUNT SO THAT THE AIRCRAFT MUST?

  NACELLE MUST BE MODIFIED. THIS WILL BE DONE OVER THE WEEKEND.

  ENGINES 201, 2 AND 3 HAVE THE OLD MOUNTING SYSTEM AND WILL NO LONGER

  BE COMPATIBLE WITH THE NACELLE, THEREFORE, IT HAS BEEN AGREED

  BETWEEN KELLY AND THAT THESE THREE WILL BE RETURNED TO

  P AND W FOR MODIFICATION OF MOUNT BEFORE THEY CAN BE USED. THIS

  WILL LEAVE US TWO ENGINES HERE, 204 AND 205.

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8. AS A RESULT OF THIS CHANGE AIRCRAFT NUMBER 1 WILL NOT BE READY FOR FLIGHT BEFORE WEDNESDAY MORNING 24 OCTOBER 1962.

END OF MESSAGE

SECRET